

OSTEOSYNTHETIC IMPLANT WITH AN EMBEDDED HINGE JOINT

Abstract

5 An osteosynthesis implant includes at least one coupling in the form of a
swivel joint. Each swivel joint includes at least one planar or annular swivel element and
two connecting arms that define a pivot axis. The coupling permits rotation about each
pivot axis. The implant and coupling may be formed of unitary construction, or a separate
coupling may be connectable to the implant. The coupling may receive a bone fastener such
10 as a bone screw, or may be used in applications that require the coupling to directly support
portions of the body such as spinal features.

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